

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings.

1. (Currently Amended) An assembly comprising a safety cycle pedal and a cleat fixed under a sole of a cycle shoe in a housing of the sole, at least one edge of said sole being limited by a stud whose thickness is greater than a thickness of the cleat including a pedal body mounted to rotate about a pedal spindle, said safety cycle pedal comprising:

- a pedal body mounted to rotate about a pedal spindle;
- a first rear hoop comprising a first rear attachment bar situated behind the pedal spindle and substantially parallel to the pedal spindle, the first rear hoop being articulated about a first hoop spindle mounted in bearings of the pedal body,
- a first front hoop comprising a first front attachment bar situated in front of the pedal spindle and substantially parallel to the pedal spindle, the first front hoop being articulated about a second hoop spindle,
- elastic means urging the first rear hoop and the first front hoop toward a rest position in which a mid-plane of the first front hoop and a mid-plane of the first rear hoop are substantially orthogonal to a mid-plane of the pedal, said mid-plane of the pedal passing through a geometric axis of the pedal and being parallel to an upper bearing face of the pedal, wherein:

the first front attachment bar and the first rear attachment bar are situated above the pedal body and are able to be moved apart in order to allow the passage and attachment of a cleat fixed under a sole of a cycle shoe in a housing of the sole, at least one edge of which is limited by a stud whose thickness is greater than a thickness of the cleat said cleat, said cleat comprising a front catch which may be engaged under the first front attachment bar;

the second hoop spindle is situated below said mid-plane of the pedal, on an opposite side to the front attachment bar; and

a front upper part of the pedal body is limited by an inclined front face, said front face being located outside of two sides of the first front hoop and being inclined downward toward a front of the pedal, wherein

engagement of said front catch under said first front attachment bar is possible while a rear part of said cleat is at a distance above the first rear attachment bar and said stud is bearing against said inclined front face, thereby allowing a greater an angular range for clicking the cleat in the pedal.

2. (Currently amended) The ~~eyele-pedal~~ assembly as claimed in claim 1, wherein the inclination of the front face relative to the mid-plane of the pedal is 40°, said front face constituting a zone on which blocks of the sole may slide during interlocking.
3. (Currently Amended) The ~~eyele-pedal~~ assembly as claimed in claim 1, wherein the angular range for clicking the cleat in the pedal is a 25° range.
4. (Currently Amended) The ~~eyele-pedal~~ assembly as claimed in claim 1, wherein material is retained around bearings through which the second hoop spindle passes.
5. (Currently Amended) The ~~eyele-pedal~~ assembly of claim 1, further comprising:
 - a second rear hoop integral with the first front hoop so as to form a rectangular frame, said second rear hoop comprising a second rear attachment bar; and
 - a second front hoop integral with the first rear hoop so as to form a rectangular frame, said second front hoop comprising a second front attachment bar, wherein said first front hoop and said first rear hoop are located at a top face of the pedal, and wherein the second front hoop and the second rear hoop are located at a bottom face of the pedal.
6. (Currently Amended) The ~~eyele-pedal~~ assembly as claimed in claim 1, comprising, to the rear of the body, a cap provided for guiding the sole of a shoe fitted with a tunnel, wherein the rear hoop bears against the cap in the a rest position.

7. (Currently Amended) The eyele-pedal assembly as claimed in claim 1, wherein said first front hoop comprises at least one lateral stop limiting the freedom of transverse displacement of a cleat fixed under a shoe.

8. (Currently Amended) A safety cycle pedal including a pedal body mounted to rotate about a pedal spindle, said safety cycle pedal comprising:

- a first rear hoop comprising a first rear attachment bar situated behind the pedal spindle and substantially parallel to the pedal spindle, the first rear hoop being articulated about a first hoop spindle mounted in bearings of the pedal body,
- a first front hoop comprising a first front attachment bar situated in front of the pedal spindle and substantially parallel to the pedal spindle, the first front hoop being articulated about a second hoop spindle, and the first front hoop comprising at least one lug projecting to an inside of the first front hoop from a leg which is substantially orthogonal to the first front attachment bar, said at least one lug projecting substantially halfway between a hole for a passage of the second hoop spindle and the first front attachment bar,
- elastic means urging the first rear hoop and the first front hoop toward a rest position in which a mid-plane of the first front hoop and a mid-plane of the first rear hoop are substantially orthogonal to a mid-plane of the pedal passing through a geometric axis of the pedal, wherein:
 - the front and rear attachment bars are situated above the pedal body and are able to be moved apart in order to allow the passage and attachment of a cleat fixed under a sole of a cycle shoe in a housing of the sole, at least one edge of which is limited by a stud whose thickness is greater than a thickness of the cleat;
 - the second hoop spindle is situated below said mid-plane of the pedal, on an opposite side to the front attachment bar; and
 - a front upper part of the pedal body is limited by a front face inclined downward toward a front of the pedal, allowing a greater an angular range for clicking the cleat in the pedal.

9. (Currently Amended) A safety cycle pedal including a pedal body mounted to rotate about a pedal spindle, said safety cycle pedal comprising:

- a first rear hoop comprising a first rear attachment bar situated behind the pedal spindle and substantially parallel to the pedal spindle, the first rear hoop being articulated about a first hoop spindle mounted in bearings of the pedal body,
 - a first front hoop comprising a first front attachment bar situated in front of the pedal spindle and substantially parallel to the pedal spindle, said first front hoop being articulated about a second hoop spindle, and said first front hoop comprising legs substantially orthogonal to said first front attachment bar, each of said legs comprising a lug projecting to an inside of the first front hoop, said lug projecting substantially halfway between a hole for a passage of the second hoop spindle and the first front attachment bar,
 - elastic means urging the first rear hoop and the first front hoop toward a rest position in which a mid-plane of the first front hoop and a mid-plane of the first rear hoop are substantially orthogonal to a mid-plane of the pedal passing through a geometric axis of the pedal, wherein:
 - the front and rear attachment bars are situated above the pedal body and are able to be moved apart in order to allow the passage and attachment of a cleat fixed under a sole of a cycle shoe in a housing of the sole, at least one edge of which is limited by a stud whose thickness is greater than a thickness of the cleat;
 - the second hoop spindle is situated below said mid-plane of the pedal, on an opposite side to the front attachment bar; and
- a front upper part of the pedal body is limited by a front face inclined downward toward a front of the pedal, allowing a greater an angular range for clicking the cleat in the pedal.

10. (Canceled)

11. (Previously Presented) The cycle pedal as claimed in claim 12, wherein the bearing piece is formed by an adjusting rod mounted to rotate in the pedal body and comprising planar faces situated at different distances from the geometric axis of rotation of the rod.

12. (Currently Amended) A safety cycle pedal including a pedal body mounted to rotate about a pedal spindle, said safety cycle pedal comprising:

- a first rear hoop comprising a first rear attachment bar situated behind the pedal spindle and substantially parallel to the pedal spindle, the first rear hoop being articulated about a first hoop spindle mounted in bearings of the pedal body,
 - a first front hoop comprising a first front attachment bar situated in front of the pedal spindle and substantially parallel to the pedal spindle, the first front hoop being articulated about a second hoop spindle, the first front hoop comprising at least one lug projecting to an inside of the first front hoop from a leg which is substantially orthogonal to the first front attachment bar,
 - elastic means comprising two separate torsion springs with windings whose axes are aligned, one end of said windings bearing against said at least one lug and another end of said windings bearing against a bearing piece made of a material harder than that of the pedal body, said elastic means urging the first rear hoop and the first front hoop toward a rest position in which a mid-plane of the first front hoop and a mid-plane of the first rear hoop are substantially orthogonal to a mid-plane of the pedal passing through a geometric axis of the pedal, wherein:
 - the front and rear attachment bars are situated above the pedal body and are able to be moved apart in order to allow the passage and attachment of a cleat fixed under a sole of a cycle shoe in a housing of the sole, at least one edge of which is limited by a stud whose thickness is greater than a thickness of the cleat;
 - the second hoop spindle is situated below said mid-plane of the pedal, on an opposite side to the front attachment bar; and
- a front upper part of the pedal body is limited by a front face inclined downward toward its a front of the pedal, allowing a greater an angular range for clicking the cleat in the pedal.